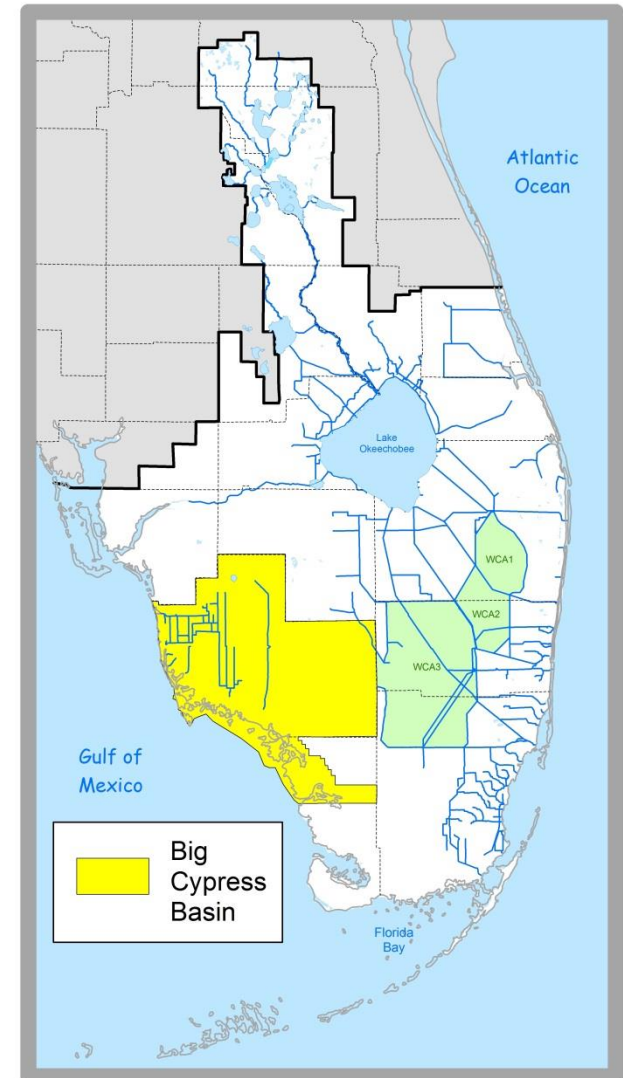


Big Cypress Basin Surface Water Quality Monitoring Network Revisions

**Joseph D. Schmidt, P.E.
Senior Engineer
July 14, 2015**

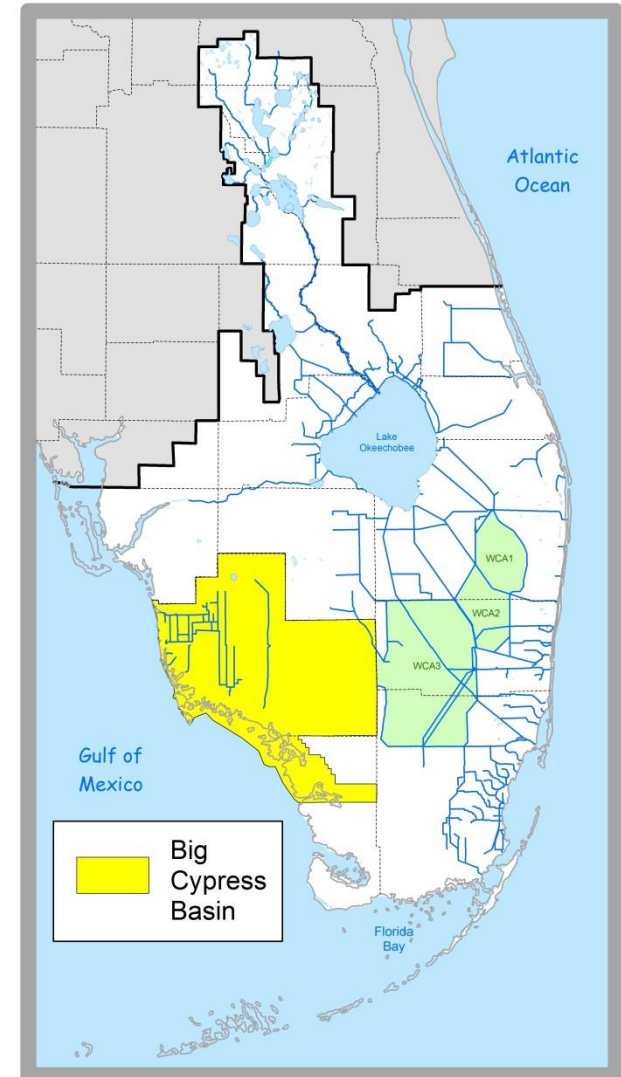
Current Surface Water Quality Monitoring Network

- Historically
 - Initiated by Basin in 1979
 - Adopted by County in 1988
 - Expanded through Basin/County partnership in 1998
 - Continued Basin/County partnership through 2011
- Presently
 - Agreement 46-2706
 - ✓ \$80,000 per FY (2012 – 2015)
 - ❖ \$69,500 Basin
 - ❖ \$10,500 District (Picayune)
 - ✓ 31 Stations
 - ✓ Expires 09/30/15



Re-evaluation of Current Surface Water Quality Monitoring Network

- Reduce redundancy or station overlap
- Update focus areas for Basin
- Improve spatial distribution and efficacy of Basin network



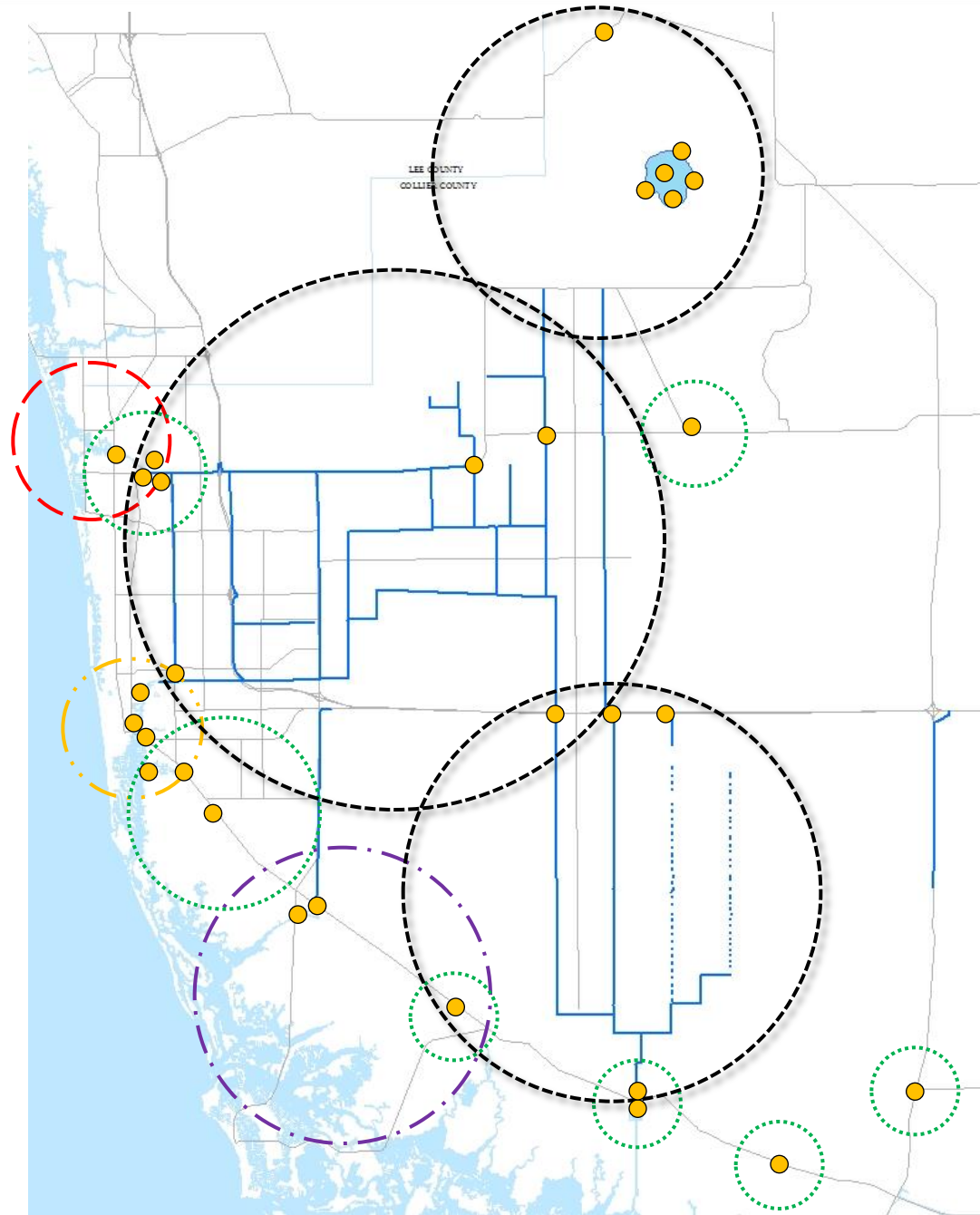
■ Current Basin Network

- Station Overlap

- ✓ FDEP
- ✓ City of Naples
- ✓ Collier County
- ✓ Rookery Bay Reserve

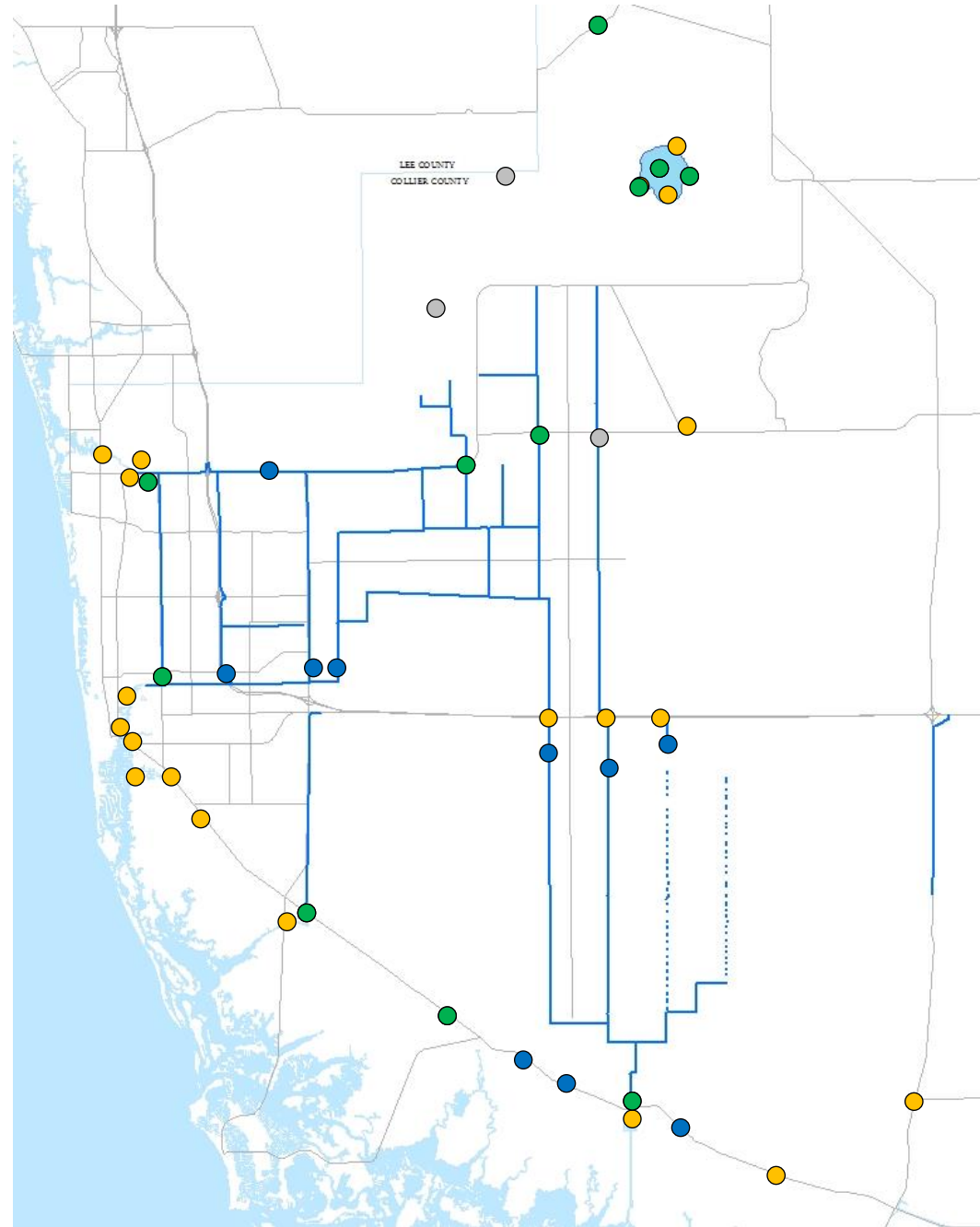
- Basin Focus Areas

- ✓ CREW and Lake Trafford
- ✓ Primary System
- ✓ Picayune Strand



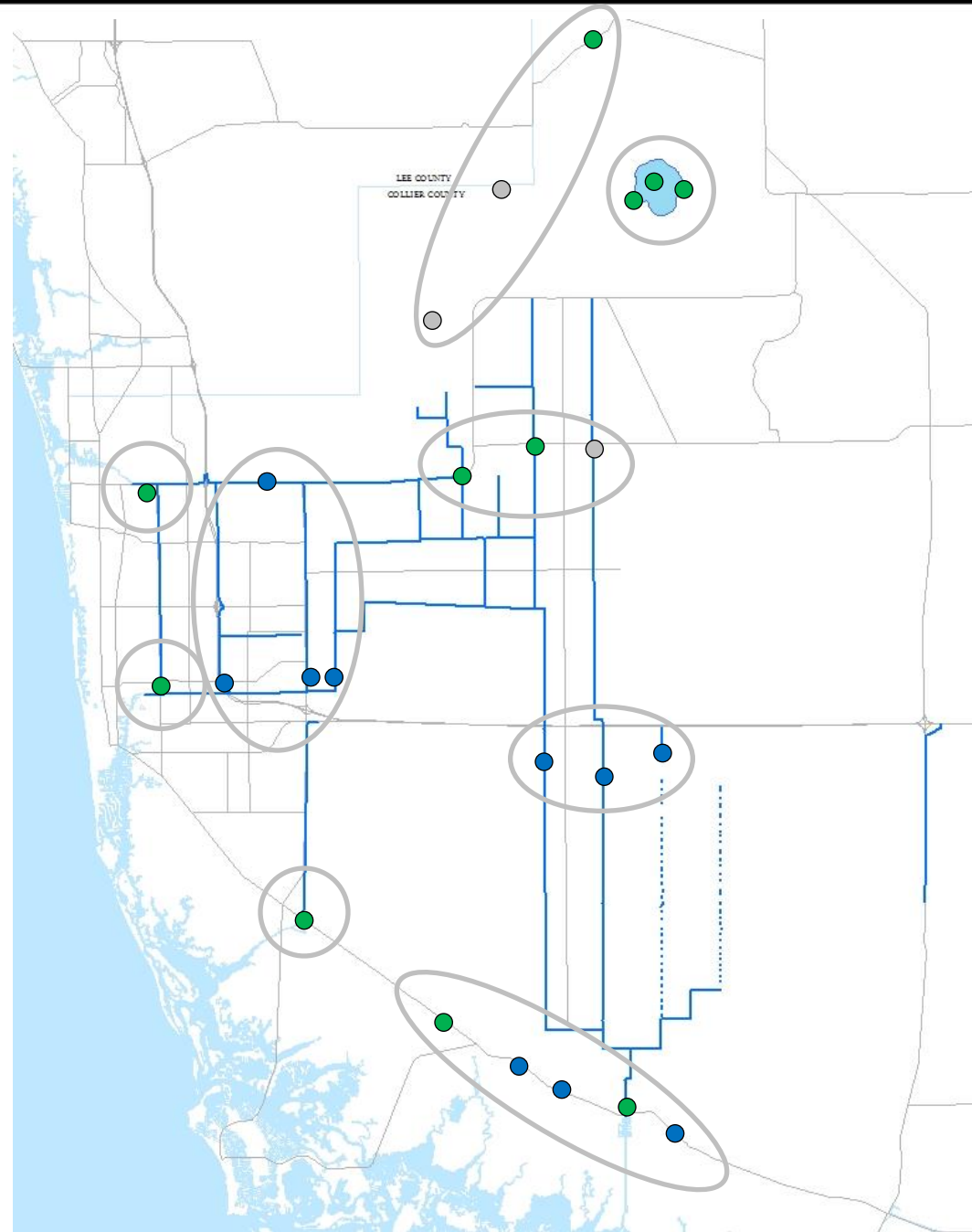
■ Revised Basin Network

- Cease monitoring at 20 current stations
- Continue monitoring at 11 current stations
- Commence monitoring at 10 new stations and reactivate 3 stations



■ Revised Basin Network

- CREW
- Lake Trafford
- Headwaters for Corkscrew, Golden Gate, Faka Union, and Miller Canals
- Strategic Inputs to Cocohatchee and Golden Gate Canals
- Inputs to Picayune Strand
- Outfalls for Primary System and Picayune Strand



Proposed Surface Water Quality Monitoring Network Revisions

- Expand Data Synthesis and Reporting
 - Water Quality Data for PSRP Stations will be included in annual SFER
 - Water Quality Data for Basin should be evaluated in an Annual Report
 - Coordination of Data Synthesis by Basin with Assistance from District Water Quality Bureau



Proposed Surface Water Quality Monitoring Network Revisions

- A motion for staff to continue surface water quality monitoring program in the Big Cypress Basin



Questions / Comments?